

Title (en)

High foaming nonionic surfactant based liquid detergent

Title (de)

Flüssiges Reinigungsmittel auf der Basis von starkschäumenden nichtionischen oberflächenaktiven Mitteln

Title (fr)

Composition détergente liquide à base de surfactant non ionique très moussant

Publication

EP 0638638 B1 19970618 (EN)

Application

EP 94401591 A 19940708

Priority

- US 9151493 A 19930709
- US 9151793 A 19930709

Abstract (en)

[origin: EP0638638A1] A high foaming, nonionic surfactant based, light duty liquid detergent with desirable cleansing properties and mildness to the human skin comprising: a water soluble nonionic surfactant; at least one water soluble or dispersible foaming, anionic surfactant; a zwitterionic betaine surfactant, and a dialkyl sulfosuccinate ester.

IPC 1-7

C11D 1/94

IPC 8 full level

C11D 1/94 (2006.01); **C11D 1/12** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/72** (2006.01); **C11D 1/74** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP)

C11D 1/94 (2013.01); **C11D 3/0094** (2013.01); **C11D 1/123** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/72** (2013.01); **C11D 1/74** (2013.01); **C11D 1/90** (2013.01)

Cited by

AU2003277486B2; KR20150063348A; DE102005031193A1; US7078373B2; WO9850507A1; WO2004041982A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0638638 A1 19950215; **EP 0638638 B1 19970618**; AT E154631 T1 19970715; AU 6591994 A 19950119; AU 678007 B2 19970515; CA 2127348 A1 19950110; CA 2127348 C 20030311; DE 69403868 D1 19970724; GR 940100341 A 19951031; MX 9404819 A 19950131; NZ 260847 A 19961028; PT 101540 A 19950504; PT 101540 B 19991231; ZA 944973 B 19960108

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EP 94401591 A 19940708; AT 94401591 T 19940708; AU 6591994 A 19940623; CA 2127348 A 19940704; DE 69403868 T 19940708; GR 940100341 A 19940708; MX 9404819 A 19940624; NZ 26084794 A 19940624; PT 10154094 A 19940701; ZA 944973 A 19940708